

January 15, 2013

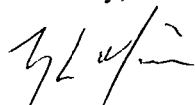
Mr. Jason Gunter  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region 7 - Superfund Branch  
901 North 5<sup>th</sup> Street  
Kansas City, KS 66101

**Re: The Doe Run Company – Big River Mine Tailings Site Quarterly Progress Report**

Dear Mr. Gunter:

As required by Article XV, Section 55 of the Administrative Order on Consent (Docket No.VII-94-F-0015) for the referenced project and on behalf of The Doe Run Company, the progress report for the period October 1, 2012 through December 31, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,



Ty L. Morris, P.E., R.G.  
Vice President

TLM/jms  
Enclosure

c: Mark Nations – TDRC  
Matt Wohl – TDRC (electronic only)  
Kathy Rangen – MDNR  
Tim Skoglund – Barr Engineering

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**Big River Mine Tailings Site**  
Desloge, Missouri  
**Quarterly Progress Report**  
Period: October 1, 2012 – December 31, 2012

**1. Actions Performed or Completed This Period:**

- a. Representatives from Barr Engineering and Doe Run monitored the three well points and took water level readings from the two monitoring wells installed as part of the "Action Plan for Tailings Movement Observed on the Big River Site 6 Slope."
- b. Vegetation maintenance activities, including the use of biosolids, continued on portions of the site that were vegetated during the completion of removal action activities.

**2. Data and Results Received This Period:**

- a. No indication of water in the well points was identified during the checks of the well points. Rods in the well points have mold growing on them.
- b. Groundwater elevations in the two monitoring wells continue to fluctuate very little.
- c. During the month of October, approximately 3.29 inches of precipitation fell at the site over 8 different events. The largest rainfall event was 0.88 inch over a 24-hour period. No event was large enough to qualify as a rainfall frequency event.

During the month of November approximately 2.30 inches of precipitation fell at the site over 4 different events. The largest rainfall event was 1.54 inches over a 24-hour period. No event was large enough to qualify as a rainfall frequency event.

During the month of December, approximately 2.98 inches of precipitation fell at the site over 9 different events. The largest rainfall event was 1.68 inches over a 24-hour period. As this event occurred in a 1-hour period it qualifies as a 2-year 1-hour rainfall event.

**3. Scheduled Activities not Completed This Period:**

- a. None.

**4. Planned Activities for Next Period:**

- a. Barr and Doe Run staff will continue to check the well points for indications of a shallow water table and take water level readings from the monitoring wells.

**5. Changes in Personnel:**

- a. None.

**6. Issues or Problems Arising This Period:**

- a. None.

**7. Resolution of Issues or Problems Arising This Period:**

- a. None.

**End of Quarterly Progress Report**